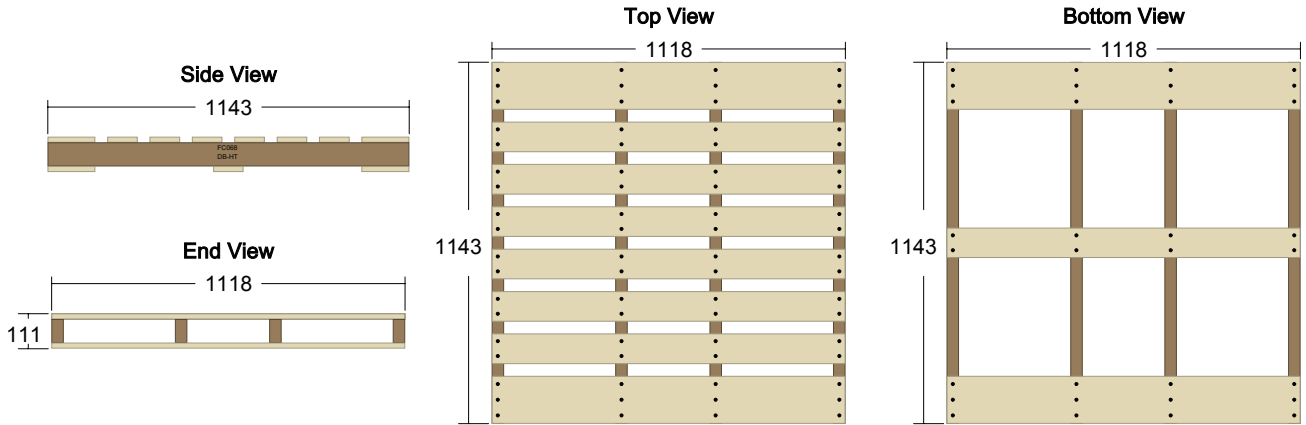




Pallet ID: DYNA PAL 038 1143x1118 2WE Bulksack

Classification: 1143 x 1118, Stringer-Class, Double-Face Non-Reversible, 2-Way, Multiple-Use, New Manufacture

Pallet Treatments: ISPM-15 Compliance: Heat Treatment (HT)



Components

Materials

| <p>Top Deck: Style: Deckboard Type: New Lumber</p> <table border="1"> <thead> <tr> <th>Number</th> <th>Thickness</th> <th>Width</th> <th>Length</th> </tr> </thead> <tbody> <tr> <td>6</td> <td>18</td> <td>95</td> <td>1118</td> </tr> <tr> <td>2</td> <td>18</td> <td>150</td> <td>1118</td> </tr> </tbody> </table> <p>Volume: 0.0175 cubic meters</p> | | | | Number | Thickness | Width | Length | 6 | 18 | 95 | 1118 | 2 | 18 | 150 | 1118 | <p>Fasteners:</p> <p>Fastener ID: 3.1 x 65 Ring Fastener Type: Annularly Threaded Nail Fastener Length: 65 Thread Length: 50 Thread Diameter: 3.0 Wire Diameter: 2.8 Head Diameter: 7.5 Rings: 50 MIBANT Angle: 1 FWI: 57 FSI: 224 Total Number: 104</p> | | | |
|--|-----------|--------|--------|--------|-----------|--------|--------|---|----|----|------|---|----|-----|------|--|--|--|--|
| Number | Thickness | Width | Length | | | | | | | | | | | | | | | | |
| 6 | 18 | 95 | 1118 | | | | | | | | | | | | | | | | |
| 2 | 18 | 150 | 1118 | | | | | | | | | | | | | | | | |
| <p>Bottom Deck: Style: Deckboard Type: New Lumber</p> <table border="1"> <thead> <tr> <th>Number</th> <th>Thickness</th> <th>Width</th> <th>Length</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>18</td> <td>95</td> <td>1118</td> </tr> <tr> <td>2</td> <td>18</td> <td>150</td> <td>1118</td> </tr> </tbody> </table> <p>Volume: 0.0079 cubic meters</p> | | | | Number | Thickness | Width | Length | 1 | 18 | 95 | 1118 | 2 | 18 | 150 | 1118 | <p>New Lumber: Lumber ID: Species Class: European Species Class 34 Grade: Standard &BTR Moisture Content (at manufacture and assembly): Kiln Dry - 19% Total New Lumber Volume: 0.0385 cubic meters</p> | | | |
| Number | Thickness | Width | Length | | | | | | | | | | | | | | | | |
| 1 | 18 | 95 | 1118 | | | | | | | | | | | | | | | | |
| 2 | 18 | 150 | 1118 | | | | | | | | | | | | | | | | |
| <p>Stringers: Type: New Lumber</p> <table border="1"> <thead> <tr> <th>Number</th> <th>Width</th> <th>Height</th> <th>Length</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>38</td> <td>75</td> <td>1143</td> </tr> </tbody> </table> <p>Volume: 0.0130 cubic meters</p> | | | | Number | Width | Height | Length | 4 | 38 | 75 | 1143 | | | | | | | | |
| Number | Width | Height | Length | | | | | | | | | | | | | | | | |
| 4 | 38 | 75 | 1143 | | | | | | | | | | | | | | | | |

Spec Sheet Notes:

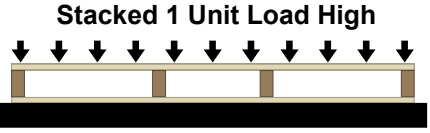
Pallet ID: DYNA PAL 038 1143x1118 2WE Bulksack

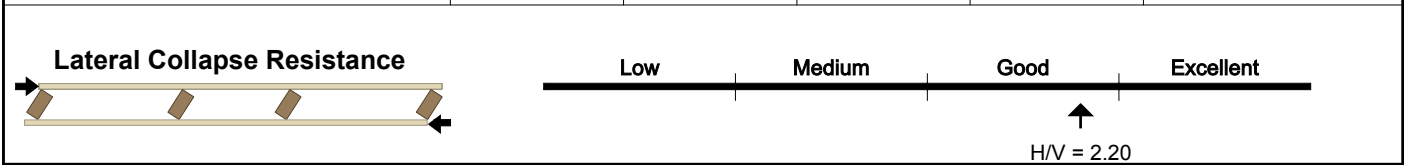
Classification: 1143 x 1118, Stringer-Class, Double-Face Non-Reversible, 2-Way, Multiple-Use, New Manufacture

Unit Load Type: Uniformly Distributed - Full Pallet Coverage

Unit Load Weight Variability: Low

Service Environment: Dry Environment (EMC <= 19%)

| Support Condition | Safe Average Load | Deflection at Average Load | User Specified Deflection Limit | Average Load for Deflection Limit | Critical Member |
|---|-------------------|----------------------------|---------------------------------|-----------------------------------|-----------------|
|  <p>Stacked 1 Unit Load High</p> | 7292 kg | 4 mm | ---- | ---- | Top Deckboard |



Pallet Design System (PDS)

Developed by:

National Wooden Pallet and Container Association (NWPCA)

In cooperation with:

Pallet and Container Research Laboratory, Virginia Tech Department of Wood Science and Forest Products;

U.S.D.A. Forest Service and Forest Products Laboratory; APA - The Engineered Wood Association;

Software Technologies Laboratory, Virginia Tech Department of Industrial and Systems Engineering

The recommendations from PDS are based on the NWPCA's continuing program of laboratory and field research. They represent the best available engineering information compiled to date. However, the quality of workmanship, the input data, and the conditions in which pallets are used may vary widely. Therefore, the Association cannot accept responsibility for pallet performance or design as actually constructed. Wood pallets manufactured to this PDS design are for the sole purpose of storing and/or transporting material.

Under no circumstance should any person stand, step, or lean upon them or otherwise use them for support.

Pallet Design System - Version 4.1 (C) Copyright 1985-2008

National Wooden Pallet and Container Association, 1421 Prince Street, Suite 340, Alexandria, Virginia 22314-2805

<http://www.palletcentral.com>

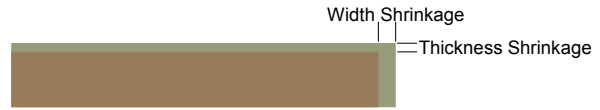
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Pallet ID: DYNA PAL 038 1143x1118 2WE Bulksack

Classification: 1143 x 1118, Stringer-Class, Double-Face Non-Reversible, 2-Way, Multiple-Use, New Manufacture

| | | | | | |
|------------------------------|-----------------------|--|--|------------------|------------------|
| Average Pallet Weight | At Manufacture | | | At 15% MC | At 12% MC |
| | 18 kg | | | 18 kg | 17 kg |

Dimensional Change due to Wood Drying



| Component | Original Dimension | Shrinkage from Manufacture to 19% MC | Shrinkage from Manufacture to 15% MC |
|-------------------|--|--------------------------------------|---|
| Top Deckboards | 18 mm Thickness 95 mm Width 150 mm Width | | 0.2 mm (+/- 0.1 mm) 0.9 mm (+/- 0.3 mm) 1.5 mm (+/- 0.4 mm) |
| Stringers | 75 mm Height 38 mm Width | | 0.7 mm (+/- 0.2 mm) 0.4 mm (+/- 0.1 mm) |
| Bottom Deckboards | 18 mm Thickness 95 mm Width 150 mm Width | | 0.2 mm (+/- 0.1 mm) 0.9 mm (+/- 0.3 mm) 1.5 mm (+/- 0.4 mm) |

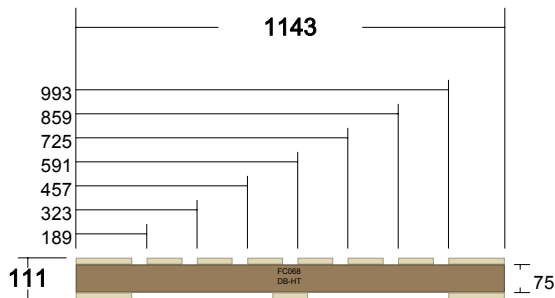


PALLET DESIGN SYSTEM Version 4.1
2-D Pallet Drawings

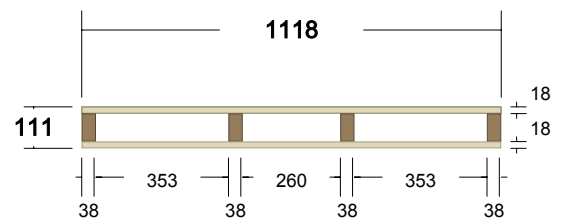
Pallet ID: DYNA PAL 038 1143x1118 2WE Bulksack

Classification: 1143 x 1118, Stringer-Class, Double-Face Non-Reversible, 2-Way, Multiple-Use, New Manufacture

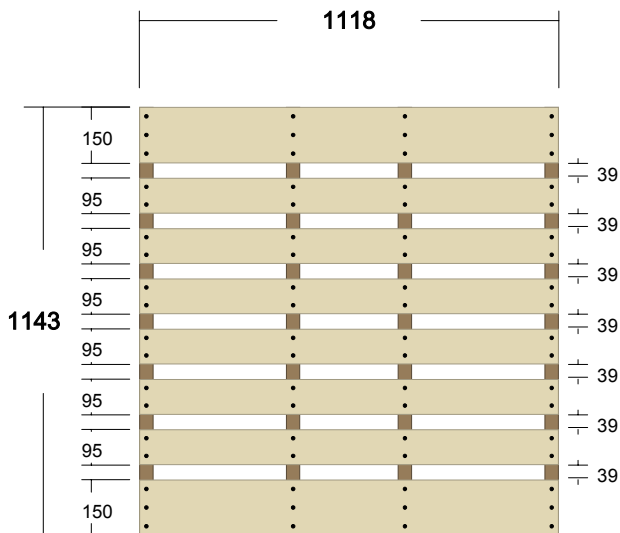
Side View



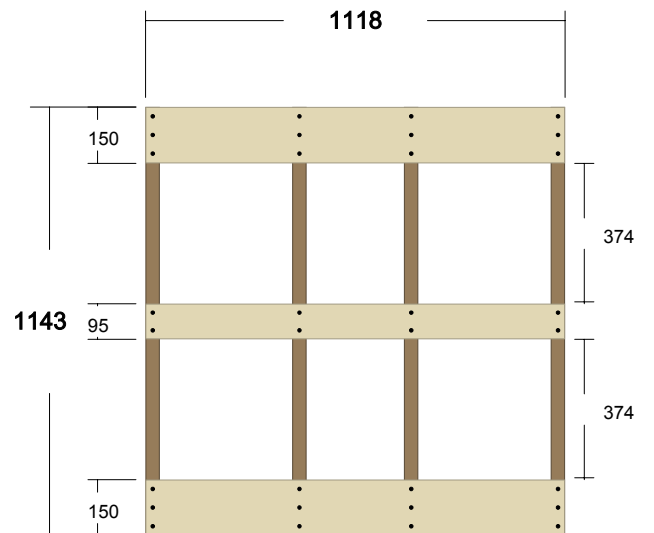
End View



Top View



Bottom View



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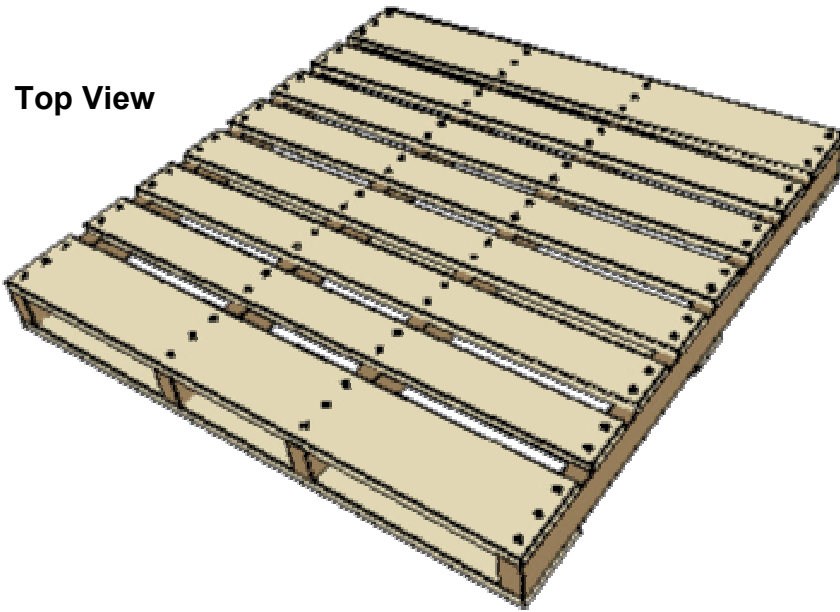


PALLET DESIGN SYSTEM Version 4.1
3-D Pallet Drawings

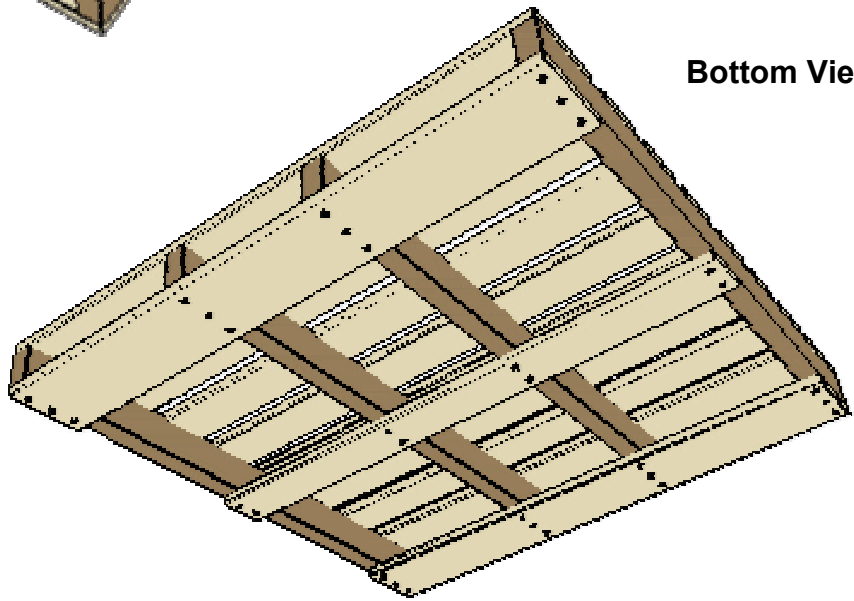
Pallet ID: DYNA PAL 038 1143x1118 2WE Bulksack

Classification: 1143 x 1118, Stringer-Class, Double-Face Non-Reversible, 2-Way, Multiple-Use, New Manufacture

Top View



Bottom View



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